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| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | | ATTY. DOCKET NO. TAN-2-1400.05.US | SERIAL NO. 10/767,326 |
| | | APPLICANT Foore et al. | |
| | | FILING DATE January 29, 2004 | GROUP 2416 |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|--|-----------------|---------|--------------------|-------|----------|----------------------------|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | | 4,107,469 | 08/1978 | Jenkins | | | |
| | | 4,577,316 | 03/1986 | Schiff | | | |
| | | 4,625,308 | 11/1986 | Kim et al. | | | |
| | | 4,675,863 | 06/1987 | Paneth et al. | | | |
| | | 4,817,089 | 03/1989 | Paneth et al. | | | |
| | | 4,841,526 | 06/1989 | Wilson et al. | | | |
| | | 4,862,453 | 08/1989 | West et al. | | | |
| | | 4,866,709 | 09/1989 | West et al. | | | |
| | | 4,912,705 | 03/1990 | Paneth et al. | | | |
| | | 4,949,395 | 08/1990 | Rydbeck | | | |
| | | 5,022,024 | 06/1991 | Paneth et al. | | | |
| | | 5,027,348 | 06/1991 | Curry | | | |
| | | 5,027,400 | 06/1991 | Baji et al. | | | |
| | | 5,114,375 | 05/1992 | Wellhausen et al. | | | |
| | | 5,115,309 | 05/1992 | Hang | | | |
| | | 5,226,044 | 07/1993 | Gupta et al. | | | |
| | | 5,268,900 | 12/1993 | Hluchyj et al. | | | |
| | | 5,282,222 | 01/1994 | Fattouche et al. | | | |
| | | 5,325,419 | 06/1994 | Connolly et al. | | | |
| | | 5,355,374 | 10/1994 | Hester et al. | | | |
| | | 5,369,637 | 11/1994 | Richardson et al. | | | |
| | | 5,373,502 | 12/1994 | Turban | | | |
| | | 5,375,124 | 12/1994 | D'Ambrogio, et al. | | | |
| | | 5,388,102 | 02/1995 | Griffith et al. | | | |
| | | 5,394,473 | 02/1995 | Davidson | | | |
| EXAMINER | | | | DATE CONSIDERED | | | |

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|------------------|-----------------|---------|-------------------|-------|----------|----------------------------|
| | 5,412,429 | 05/1995 | Glover | | | |
| | 5,442,625 | 08/1995 | Gitlin et al. | | | |
| | 5,463,629 | 10/1995 | Ko | | | |
| | 5,471,463 | 11/1995 | Hulbert | | | |
| | 5,585,850 | 12/1996 | Schwaller | | | |
| | 5,586,113 | 12/1996 | Adachi et al. | | | |
| | 5,592,470 | 01/1997 | Rudrapatna et al. | | | |
| | 5,592,471 | 01/1997 | Briskman | | | |
| | 5,594,782 | 01/1997 | Zicker et al. | | | |
| | 5,603,081 | 02/1997 | Raith et al. | | | |
| | 5,606,580 | 02/1997 | Mourot et al. | | | |
| | 5,617,423 | 04/1997 | Li et al. | | | |
| | 5,642,348 | 06/1997 | Barzegar et al. | | | |
| | 5,655,001 | 08/1997 | Cline et al. | | | |
| | 5,657,358 | 08/1997 | Panech et al. | | | |
| | 5,663,958 | 09/1997 | Ward | | | |
| | 5,663,990 | 09/1997 | Bolgiano et al. | | | |
| | 5,673,259 | 09/1997 | Quick, Jr. | | | |
| | 5,687,194 | 11/1997 | Paneth et al. | | | |
| | 5,697,059 | 12/1997 | Carney | | | |
| | 5,699,364 | 12/1997 | Sato et al. | | | |
| | 5,734,646 | 03/1998 | I et al. | | | |
| | 5,781,542 | 07/1998 | Tanaka et al. | | | |
| | 5,784,406 | 07/1998 | DeJaco et al. | | | |
| | 5,790,551 | 08/1998 | Chan | | | |
| | 5,793,744 | 08/1998 | Kanerva et al. | | | |
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|------------------|--|-----------------|---------|-----------------------|-------|----------|----------------------------|
| | | 5,802,465 | 09/1998 | Hamalainen et al. | | | |
| | | 5,825,807 | 10/1998 | Kumar | | | |
| | | 5,828,659 | 10/1998 | Teder et al. | | | |
| | | 5,828,662 | 10/1998 | Jalali et al. | | | |
| | | 5,844,894 | 12/1998 | Dent | | | |
| | | 5,845,211 | 12/1998 | Roach | | | |
| | | 5,854,786 | 12/1998 | Henderson et al. | | | |
| | | 5,856,971 | 01/1999 | Gitlin et al. | | | |
| | | 5,859,840 | 01/1999 | Tiedemann, Jr. et al. | | | |
| | | 5,859,879 | 01/1999 | Bolgiano et al. | | | |
| | | 5,872,786 | 02/1999 | Shobatake | | | |
| | | 5,881,060 | 03/1999 | Morrow et al. | | | |
| | | 5,896,376 | 04/1999 | Alperovich et al. | | | |
| | | 5,910,945 | 06/1999 | Garrison et al. | | | |
| | | 5,914,950 | 06/1999 | Tiedemann, Jr. et al. | | | |
| | | 5,923,650 | 07/1999 | Chen et al. | | | |
| | | 5,930,230 | 07/1999 | Odenwalder et al. | | | |
| | | 5,950,131 | 09/1999 | Vilmur | | | |
| | | 5,956,332 | 09/1999 | Rasanen et al. | | | |
| | | 5,966,374 | 10/1999 | Rasanen | | | |
| | | 5,991,279 | 11/1999 | Haugli et al. | | | |
| | | 6,001,800 | 12/1999 | Mehta et al. | | | |
| | | 6,002,690 | 12/1999 | Takayama et al. | | | |
| | | 6,005,855 | 12/1999 | Zehavi et al. | | | |
| | | 6,009,106 | 12/1999 | Rustad et al. | | | |
| | | 6,011,800 | 01/2000 | Nadgauda et al. | | | |

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|----------|-----------------|
| | |

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|------------------|-----------------|---------|----------------------|-------|----------|----------------------------|
| | 6,028,853 | 02/2000 | Haartsen | | | |
| | 6,028,868 | 02/2000 | Yeung et al. | | | |
| | 6,052,385 | 04/2000 | Kanerva et al. | | | |
| | 6,064,678 | 05/2000 | Sindhushayana et al. | | | |
| | 6,069,883 | 05/2000 | Ejzak et al. | | | |
| | 6,078,572 | 06/2000 | Tanno et al. | | | |
| | 6,081,536 | 06/2000 | Gorsuch et al. | | | |
| | 6,088,335 | 07/2000 | I et al. | | | |
| | 6,097,733 | 8/2000 | Basu et al. | | | |
| | 6,111,863 | 08/2000 | Rostoker et al. | | | |
| | 6,112,092 | 08/2000 | Benveniste | | | |
| | 6,134,233 | 10/2000 | Kay | | | |
| | 6,151,332 | 11/2000 | Gorsuch et al. | | | |
| | 6,157,619 | 12/2000 | Ozluturk et al. | | | |
| | 6,161,013 | 12/2000 | Anderson et al. | | | |
| | 6,185,196 | 12/1997 | Mademann | | | |
| | 6,195,362 | 02/2001 | Darcie et al. | | | |
| | 6,198,723 | 03/2001 | Parruck et al. | | | |
| | 6,208,871 | 03/2001 | Hall et al. | | | |
| | 6,215,798 | 04/2001 | Carneheim et al. | | | |
| | 6,222,828 | 04/2001 | Ohlson et al. | | | |
| | 6,236,647 | 05/2001 | Amalfitano | | | |
| | 6,243,372 | 06/2001 | Petch et al. | | | |
| | 6,259,683 | 07/2001 | Sekine et al. | | | |
| | 6,262,980 | 07/2001 | Leung et al. | | | |
| | 6,269,088 | 07/2001 | Masui et al. | | | |

| | |
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|------------------|-----------------|---------|---------------------|-------|----------|----------------------------|
| | 6,272,168 | 08/2001 | Lomp et al. | | | |
| | 6,285,665 | 09/2001 | Chuah | | | |
| | 6,307,840 | 10/2001 | Wheatley III et al. | | | |
| | 6,310,859 | 10/2001 | Morita et al. | | | |
| | 6,366,570 | 04/2002 | Bhagalia | | | |
| | 6,370,117 | 04/2002 | Koraitim et al. | | | |
| | 6,373,830 | 04/2002 | Ozluturk | | | |
| | 6,373,834 | 04/2002 | Lundh et al. | | | |
| | 6,377,548 | 04/2002 | Chuah | | | |
| | 6,377,809 | 04/2002 | Rezaifar et al. | | | |
| | 6,388,999 | 05/2002 | Gorsuch et al. | | | |
| | 6,389,000 | 05/2002 | Jou | | | |
| | 6,396,804 | 05/2002 | Odenwalder | | | |
| | 6,418,148 | 07/2002 | Kumar et al. | | | |
| | 6,456,608 | 09/2002 | Lomp | | | |
| | 6,469,991 | 10/2002 | Chuah | | | |
| | 6,473,623 | 10/2002 | Benveniste | | | |
| | 6,504,830 | 01/2003 | Östberg et al. | | | |
| | 6,519,651 | 02/2003 | Dillon | | | |
| | 6,526,039 | 02/2003 | Dahlman et al. | | | |
| | 6,526,064 | 02/2003 | Bousquet | | | |
| | 6,526,281 | 02/2003 | Gorsuch et al. | | | |
| | 6,532,365 | 03/2003 | Anderson et al. | | | |
| | 6,542,481 | 04/2003 | Foore et al. | | | |
| | 6,545,986 | 04/2003 | Stellakis | | | |
| | 6,567,416 | 05/2003 | Chuah | | | |
| EXAMINER | | | DATE CONSIDERED | | | |

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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|-----------------|---------|-----------------|-------|----------|----------------------------|
| | 6,570,865 | 05/2003 | Masui et al. | | | |
| | 6,571,296 | 05/2003 | Dillon | | | |
| | 6,574,211 | 06/2003 | Padovani et al. | | | |
| | 6,597,913 | 07/2003 | Natarajan | | | |
| | 6,845,104 | 01/2005 | Johnson et al. | | | |
| | 6,973,140 | 12/2005 | Hoffman et al. | | | |
| | 2004/0160910 | 08/2004 | Gorsuch et al. | | | |
| | 2004/0180696 | 09/2004 | Foore et al. | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|------------------|-----------------|---------|-----------------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| | 4426183 | 10/1995 | DE ¹ | | | X** | |
| | 19907085 | 04/2000 | DE | | | | |
| | 443061 | 08/1991 | EP | | | X | |
| | 526106 | 02/1993 | EP | | | | |
| | 682423 | 11/1995 | EP | | | | |
| | 682426 | 11/1995 | EP | | | | |
| | 719062 | 06/1996 | EP | | | | |
| | 635949 | 01/1995 | EP ² | | | | |
| | 2761557 | 10/1998 | FR ³ | | | | |
| | 2243973 | 11/1991 | GB | | | | |
| | 2000-286851 | 10/2000 | JP | | | X** | |

X**English Abstract Only

1 Corresponds to WO 96/03815

2 Corresponds to US 5,606,580

3 Corresponds to US 6,526,039

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|---------------------|--|-----------------|---------|-----------------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| | | 2000-236343 | 08/2000 | JP | | | X** | |
| | | 9-55764 | 02/1997 | JP | | | X** | |
| | | 2002-51044 | 04/2002 | JP ⁴ | | | | |
| | | 7-107546 | 09/1993 | JP | | | X** | |
| | | 8-140143 | 11/1994 | JP | | | X** | |
| | | 7-303093 | 04/1995 | JP | | | X** | |
| | | 1401626 | 06/1988 | SU | | | X | |
| | | 1837403 | 08/1993 | SU | | | X | |
| | | 93/21719 | 10/1993 | WO | | | | |
| | | 95/05053 | 02/1995 | WO ⁵ | | | | |
| | | 95/07578 | 03/1995 | WO ⁶ | | | | |
| | | 95/08900 | 03/1995 | WO | | | | |
| | | 95/30289 | 11/1995 | WO ⁷ | | | | |
| | | 96/08934 | 03/1996 | WO | | | | |
| | | 96/27994 | 12/1996 | WO | | | | |
| | | 96/37081 | 11/1996 | WO | | | | |
| | | 97/23073 | 06/1997 | WO | | | | |
| | | 97/32412 | 04/1997 | WO | | | | |
| | | 97/36405 | 10/1997 | WO | | | | |
| | | 97/46044 | 12/1997 | WO | | | | |
| | | 98/59447 | 12/1998 | WO | | | | |

⁴ Corresponds to WO 98/59523

⁵ **English Abstract Only

⁶ Corresponds to US 5,774,460

⁶ Corresponds to JP 9-504914

⁷ Corresponds to US,544,156

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| | | | | | | | YES | NO |
| | | 98/59523 | 12/1998 | WO | | | | |
| | | 99/44341 | 09/1999 | WO | | | | |
| | | 99/63713 | 12/1999 | WO | | | | |

OTHER DOCUMENTS

| EXAMINER INITIAL | DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.) |
|------------------|---|
| | ANDERMO ET AL., "Code Division Testbed, CODIT," IEEE International Conference on Universal Personal Communications, Volume 1, pp. 397-401 (October 12-15, 1993). |
| | ANDERMO ET AL., "CODIT and Third Generation Systems," 4 th IEEE International Conference on Universal Personal Communications Record, pp. 843-847 (November 6-10, 1995). |
| | ANDERMO ET AL., "CODIT, a Testbed Project Evaluating DS-CDMA for UMTS/FPLMTS," IEEE 44 th Vehicular Technology Conference, Volume 1, pp. 21-25 (June 8-10, 1994). |
| | ANDERMO, "Overview of CODIT Project," Proceedings of the RACE Mobile Telecommunications Summit, pp. 33-42 (November 1995). |
| | Attachment 2, <i>High Speed Data RLP</i> Lucent Technologies, Version 0.1, January 16, 1997. |
| | Azad et al., Multirate Spread Spectrum Direct Sequence CDMA Techniques, 1994, The Institute of Electrical Engineers. |
| | Bell Labs Technical Journal, Lucent Technologies, Volume 2, Number 3, Summer 1997. |
| | Budka et al., Cellular Digital Packet Data Networks, Bell Labs Technical Journal, Summer 1997, Pages 164-181. |
| | Cellular Digital Packet Data, System Specification, Release 1.1, January 19, 1995. |

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| EXAMINER INITIAL | DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.) |
|------------------|---|
| | Chih-Lin I et al., IS-95 Enhancements for Multimedia Services, Bell Labs Technical Journal, Pages 60-87, Autumn 1996. |
| | Chih-Lin I et al., Load and Interference Based Demand Assignment (LIDA) for Integrated Services in CDMA Wireless Systems, November 18, 1996, Pages 235-241. |
| | Chih-Lin I et al., Multi-Code CDMA Wireless Personal Communications Networks, June 18, 1995. |
| | Chih-Lin I et al., Performance of Multi-Code CDMA Wireless Personal Communications Networks, July 25, 1995. |
| | Chih-Lin I et al., Variable Spreading Gain CDMA with Adaptive Control for True Packet Switching Wireless Network, 1995, Pages 725-730. |
| | Chung, Packet Synchronization and Identification for Incremental Redundancy Transmission in FH-CDMA Systems, 1992, IEEE, Pages 292-295. |
| | CODIT Final Review Report, Issue 2.0 (November 21, 1995). |
| | Data Service Options for Wideband Spread Spectrum Systems, TIA/EIA Interim Standard. TIA/EIA/IS-707, February 1998. |
| | <i>Data Service Options for Wideband Spread Spectrum Systems.</i> TIA/EIA Interim Standard. TIA/EIA/IS-707-A. April 1999. |
| | Data Service Options for Wideband Spread Spectrum Systems: Introduction, PN-3676. 1 (to be published as TIA/EIA/IS-707.1), March 20, 1997 (Content Revision 1). |
| | <i>Data Services Option Standard for Wideband Spread Spectrum Digital Cellular System.</i> TIA/EIA/IS-99. TIA/EIA Interim Standard. July 1995. |
| | <i>Data Services Options Standard for Wideband Spread Spectrum Systems: Packet Data Services.</i> PN-3676.5 (to be published as TIA/EIA/IS-707.5) Ballot Version, May 30, 1997. |

| | |
|----------|-----------------|
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|------------------|--|
| | Data Standard, Packet Data Section, PN-3676.5 (to be published as TIA/EIA/IS-DATA.5), December 8, 1996, Version 02 (Content Revision 03). |
| | Draft Text for “*95C” Physical Layer (Revision 4), Part 1, Document #531-981-20814-95C, Part 1 on 3GPP2 website (ftp://ftp.3gpp2.org/tsgc/working/1998/1298_Maui/WG3-TG1/531-98120814-95c,%20part%201.pdf , 1998). |
| | Draft Text for “95C” Physical Layer (Revision 4), Part 2, Document #531-981-20814-95C, part 2 on 3GPP2 website (ftp://ftp.3gpp2.org/tsgc/working/1998/1298_Maui/WG3-TG1/531-98120814-95c,%20part%202.pdf , 1998). |
| | Ejzak et al., Lucent Technologies Air Interface Proposal for CDMA High Speed Data Service, Revision 0.1, May 5, 1997. |
| | Ejzak et al., Lucent Technologies Air Interface Proposal for CDMA High Speed Data Service, April 14, 1997. |
| | Ejzak, et al. <i>Proposal for High Speed Packet Data Service, Version 0.1</i> . Lucent Technologies, January 16, 1997. |
| | Elhakeem, Congestion Control in Signalling Free Hybrid ATM/CDMA Satellite Network, IEEE, 1995, Pages 783-787. |
| | “GSM 03.64 v2.1.1 Overall description of the GPRS radio interface; Stage 2”, TDoc SMG 360 /97, Meeting #22, Kristiansand, Norway, June 9th - 13th 1997. |
| | Hall et al., Design and Analysis of Turbo Codes on Rayleigh Fading Channels, IEEE Journal on Selected Areas in Communications, Vol. 16, No. 2, February 1998, Pages 160-174. |
| | High Data Rate (HDR) Solution, Qualcomm, December 1998. |
| | High Data Rate (HDR), cdmaOne optimized for high speed, high capacity data, Wireless Infrastructure, Qualcomm, September 1998. |
| | Hindelang et al., Using Powerful “Turbo” Codes for 14.4 Kbit/s Data Service in GSM or PCS Systems, IEEE Global Communications Conference, Phoenix, Arizona, USA, November 3-8, 1997, Vol. II, Pages 649-653. |

| | |
|----------|-----------------|
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| | | FILING DATE January 29, 2004 | GROUP 2416 |

| EXAMINER INITIAL | DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.) |
|------------------|---|
| | Honkasalo, Harri. <i>High Speed Data Air Interface</i> . 1996. |
| | IBE, "Networks and Remote Access. Protocols, Problems, and Solutions," DMK Publishers, p. 56 (2002). |
| | <i>Introduction to cdma2000 Spread Spectrum Systems, Release C</i> . TIA/EIA Interim Standard. TIA/EIA/IS-2000.1-C. May, 2002. |
| | Kaiser et al., Multi-Carrier CDMA with Iterative Decoding and Soft-Interference Cancellation, Proceedings of Globecom 1997, Vol. 1, Pages 523-529. |
| | Knisely, Douglas, N. Telecommunications Industry Association Subcommittee TR-45.5 - <i>Wideband Spread Spectrum Digital Technologies Standards</i> . Banff, Alberta. February 24, 1997 (TR45.5/97.02.24)21. |
| | Knisely, Douglas, N. Telecommunications Industry Association Subcommittee TR-45.5 - <i>Wideband Spread Spectrum Digital Technologies Standards, Working Group III - Physical Layer</i> . Banff, Alberta. February 24, 1997 (TR45.5/97.02.24)22. |
| | Knisely, Lucent Technologies Air Interface Proposal for CDMA High Speed Data Service, January 16, 1997. |
| | Krzymien et al., Rapid Acquisition Algorithms for Synchronization of Bursty Transmissions in CDMA Microcellular and Personal Wireless Systems, IEEE Journal on Selected Areas in Communications, Vol. 14, No. 3, April 1996, Pages 570-579. |
| | Kumar et al, An Access Scheme for High Speed Packet Data Service on IS-95 based CDMA, February 11, 1997. |
| | Lau et al., A Channel-State-Dependent Bandwidth Allocation scheme for Integrated Isochronous and Bursty Media Data in a Cellular Mobile Information System, IEEE, 2000, Pages 524-528. |
| | Liu et al., Channel Access and Interference Issues in Multi-Code DS-CDMA Wireless Packet (ATM) Networks, Wireless Networks 2, Pages 173-196, 1996. |
| | LUCAS, "Synchronisation Procedure in Up and Down-Link in the CoDiT Testbed," RACE Mobile Telecommunications Workshop (May 1994). |

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|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
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| EXAMINER INITIAL | DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.) |
|------------------|--|
| | Lucent Technologies Presentation First Slide Titled, Summary of Multi-Channel Signaling Protocol, April 6, 1997. |
| | Lucent Technologies Presentation First Slide Titled, Why Support Symmetric HSD (Phase 1C), February 21, 1997. |
| | Melanchuk et al. <i>CDPD and Emerging Digital Cellular Systems</i> , Digest of Papers of COMPCN, Computer Society Conference 1996, Santa Clara, CA, no. CONF. 41, February 25, 1996, pp. 2-8, XP000628458. |
| | Mobile Station-Base Station Compatibility Standard for Dual-Mode Wideband Spread Spectrum Cellular System, TIA Interim Standard, TIA/EIA/IS-95-A (Addendum to TIA/EIA/IS-95), May 1995. |
| | Mobile Station-Base Station Compatibility Standard for Dual-Mode Wideband Spread Spectrum Cellular System, TIA/EIA Interim Standard, TIA/EIA/IS-95-A (Revision of TIA/EIA/IS-95), May 1995, pages 1 – 742. |
| | Mobile Station-Base Station Compatibility Standard for Wideband Spread Spectrum Cellular Systems, TIA/EIA Standard, TIA/EIA-95-B (Upgrade and Revision of TIA/EIA-95-A), March 1999. |
| | MORRIS, "UMTS and the RACE II CODIT Project," IEEE Colloquium on Mobile Telecommunications Towards the Year 2000, pp. 8/1-8/4 (October 1994). |
| | Motorola, Version 1.0. <i>Motorola High Speed Data Air Interface Proposal Comparisons and Recommendations</i> . January 27, 1997. |
| | <i>MSC-BS Interface (A-Interface) for Public 800 MHz</i> . TIA/EIA/IS-634-A. TIA/EIA Interim Standard (Revision of TIA/EIA/IS-634) July 1998. |
| | <i>MSC-BS Interface for Public 800 MHz</i> . TIA/EIA/IS-634. TIA/EIA Interim Standard, December 1995. |
| | Network Wireless Systems Offer Business Unit (NWS OBU), Feature Definition Document for Code Division Multiple Access (CDMA) Packet Mode Data Services, FDD-1444, November 26, 1996. |
| | Ott, David TR45.5, CDMA WBSS Technical Standards Meeting Summary. February 24-28, 1997 Banff, Alberta. |

| EXAMINER | DATE CONSIDERED |
|----------|-----------------|
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|------------------|---|
| | Packet Data Service Option Standard for Wideband Spread Spectrum Systems, TIA/EIA Interim Standard, TIA/EIA/IS-657, July 1996. |
| | <i>Physical Layer Standard for cdma2000 Spread Spectrum Systems, Release C.</i> TIA/EIA Interim Standard. TIA/EIA/IS-2000.2C. May, 2002. |
| | Puleston, PPP Protocol Spoofing Control Protocol, Global Village Communication (UK) Ltd., February 1996. |
| | Reed et al., Iterative Multiuser Detection for CDMA with FEC: Near-Single-User Performance, IEEE Transactions on Communications, Vol. 46, No. 12, December 1998, Pages 1693-1699. |
| | Samsung Electronics Co., Ltd. v. Interdigital Communications Corporation, et al., First Amended Complaint, Civil Action No. 07-167, United States District Court for the District of Delaware, September 14, 2007 |
| | Shacham, et al., "A Selective-Repeat-ARQ Protocol for Parallel Channels and Its Resequencing Analysis," IEEE Transactions On Communications, XP000297814, 40 (4): 773-782 (Apr. 1992). |
| | Simpson, W. (Editor). "RFC 1661 – The Point-to-Point Protocol (PPP)." Network Working Group, July 1994, pgs. 1-35. http://www.faqs.org/rfcs/rfc1661.html |
| | Simpson, W. (Editor). "RFC 1662 – PPP in HDLC-Like Framing." Network Working Group, July 1994, pgs. 1-17. http://www.faqs.org/rfcs/rfc1662.html |
| | Skinner et al., Performance of Reverse-Link Packet Transmission in Mobile Cellular CDMA Networks, IEEE, 2001, Pages 1019-1023. |
| | Stage 1 Service Description for Data Services - High Speed Data Services (Version 0.10) CDG RF 38. December 3, 1996. |
| | <i>Support for 14.4 kbps Data Rate and PCS Interaction for Wideband Spread Spectrum Cellular Systems.</i> TSB74, December 1995. TIA/EIA Telecommunications Systems Bulletin. |
| | Tantivy Communications, Inc. v. Lucent Technologies, Inc., Lucent Technologies, Inc.'s Preliminary Invalidity Contentions, Civil Action No. 2:04-CV-79, United States District Court for the Eastern District of Texas, Marshall Division. December 08, 2004. |

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|----------|-----------------|
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|------------------|--|---|
| | | Tantivy Communications, Inc. v. Lucent Technologies, Inc., Markman Order, Civil Action No. 2:04-CV-79, (August 11, 2005). |
| | | Tantivy Communications, Inc. v. Lucent Technologies, Inc., Plaintiff's Second Amended Complaint, Civil Action No. 2:04-CV-79, United States District Court for the Eastern District of Texas, Marshall Division, June 03, 2005. |
| | | <i>Telecommunications Industry Association Meeting Summary</i> . Task Group I, Working Group III, Subcommittee TR45.5. February 24-27, 1997. Banff, Alberta. |
| | | <i>Telecommunications Industry Association Meeting Summary</i> . Task Group I, Working Group III, Subcommittee TR45.5. January 6-8, 1997. Newport Beach, California. |
| * | | Universal Mobile Telecommunications System (UMTS); MAC protocol specification (3GPP TS 25.321 version 3.6.0 Release 1999). |
| * | | Universal Mobile Telecommunications System (UMTS); Multiplexing and channel coding (FDD) (3GPP TS 25.212 version 3.5.0 Release 1999). |
| * | | Universal Mobile Telecommunications System (UMTS); Physical channels and mapping of transport channels onto physical channels (FDD) (3GPP TS 25.211 version 3.5.0 Release 1999). |
| * | | Universal Mobile Telecommunications System (UMTS); Spreading and modulation (FDD) (3GPP TS 25.213 version 3.4.0 Release 1999). |
| * | | Universal Mobile Telecommunications System (UMTS); UTRAN Iub Interface User Plane Protocols for Common Transport Channel Data Streams (3GPP TS 25.435 version 3.5.0 Release 1999) |
| | | <i>Upper Layer (Layer 3) Signaling Standard for cdma2000 Spread Spectrum Systems, Release C</i> . TIA/EIA Interim Standard. TIA/EIA/IS-2000.5-C. May, 2002. |
| | | VITERBI, "A Constructive (Backward Compatible) Approach for Migration to Wider Band Wireless Services," Qualcomm Incorporated, 3 rd Generation Wider Band CDMA Technology Conference (February 25, 1998). |
| | | Viterbi, The Path to Next Generation Services with CDMA, Qualcomm Incorporated, 1998 CDMA Americas Congress, Los Angeles, California, November 19, 1998. |

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|----------|-----------------|
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| EXAMINER INITIAL | DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.) |
|------------------|---|
| | Wang et al., The Performance of Turbo-Codes in Asynchronous DS-CDMA, IEEE Global Communications Conference, Phoenix, Arizona, USA, November 3-8, 1997, Gol. III, Pages 1548-1551. |
| | <u>WWW.CDG.ORG/NEWS/PRESS/1997.ASP</u> . CDA Press Release Archive, 1997. |

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| EXAMINER /Afsar Qureshi/ | DATE CONSIDERED 06/22/2010 |
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